

GCCS/DII COE System Integration Support

DII COE Segment Installation Procedures (for DIIDB Version 1.0.0.1/7.3.2.3 for HP-UX 10.20)

June 13, 1997

Prepared for:

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**Defense Information Infrastructure (DII)
Common Operating Environment (COE)**

**Segment Installation Procedures
Defense Information Infrastructure
Database (DIIDB) Version 1.0.0.1/7.3.2.3
(HP-UX 10.20)**

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Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instructions. For example, select connect to host .
<i>Italics</i>	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
“Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example “Data-Generation Report.”
Courier Font	Used to denote anything as it appears on the screen or command lines. For example <code>tar xvf dev/rmt/3mm</code> .
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

1. Installation Procedures (IP) for DIIDB

This document provides a quick reference for installing the Oracle Defense Information Infrastructure Database (DIIDB) segment for the DII on Hewlett Packard (HP)-based machines.

1.1 DIIDB Segment Contents

This segment builds the system Oracle database tables. This segment is intended to be a template; it creates what Oracle terms a “medium” sized installation. This segment requires Oracle Relational Database Management System (RDBMS) (ORAS) Version 1.1.0.1 (V1.1.0.1).

1.2 Pre-Installation Instructions

The DIIDB Oracle Database requires three mount points: */ora01*, */ora02*, and */ora03*, as described in the ORAS Installation Procedures. The space that this segment requires under each partition is:

/ora01 = 75M
/ora02 = 1M
/ora03 = 1M

The following describes the space required to install the ORAS, Oracle Client Applications (ORAC), and DIIDB segments on a machine:

	<i>/ora01</i>	<i>/ora02</i>	<i>/ora03</i>
ORAS	300M		
ORAC	75M		
DIIDB	75M	1M	1M
Total	450M	1M	1M

These values allow room for log and trace files that are generated and some room for growth. The totals do not apply to other databases that might be delivered. Further, if additional Oracle products are delivered, this total could grow.

The purpose of this segment is to create the system tables, thus configuring the Oracle RDBMS. It is not necessary to install this segment; by following the procedures described in the Oracle documentation, one can install the system tables and configure the database server by hand.

If this segment is being used, the installer will be asked to specify Oracle passwords for ORADBA, SYS, and SYSTEM, and a UNIX login password for ORADBA.

NOTE: Instructions for creating and dropping Oracle Database user accounts are described in the Oracle Database Server segment's Release Notes (refer to the */h/COTS/ORAS/SegDescrip/ReleaseNotes* file).

1.3 Questions for the Installer

After 10 - 20 minutes, the installer is asked if they wish to change the default Oracle ORADBA, SYS, and SYSTEM passwords. The installer should respond "y" for yes. The installer is then prompted to:

Enter the password for ORADBA.

The installer should enter an alphanumeric password for ORADBA to access the database. This password must be six to twelve characters in length. Only letters, numbers, and "_" are allowed; the first character should be alpha.

Enter the password for SYS.

The installer should enter an alphanumeric password for SYS to access the database. This password must be six to twelve characters in length. Only letters, numbers, and "_" are allowed; the first character should be alpha.

Enter the password for SYSTEM.

The installer should enter an alphanumeric password for SYSTEM to access the database. This password must be six to twelve characters in length. Only letters, numbers, and "_" are allowed; the first character should be alpha.

Finally, the installer is prompted for the UNIX login password for ORADBA. It will appear to the installer in an x-term as follows:

```
You are setting the UNIX login password for user oradba.
New password:
Re-enter new password:
```

1.4 Post-Installation Procedures

The System Administrator (SA) must perform the following steps exactly and in order, to complete the DIIDB segment installation. This will allow users to log in as *oradba* and have access to the Oracle database. These steps are only necessary until the Database Administrator (DBA) Account Group becomes available. A brief explanation—the DIIDB segment creates a user whose username is *oradba* and whose User Identification (UID) is 201. However, one cannot log in to the console as this user, because the Security Manager was not used to create the account. So, the following instructions direct the installer to remove the *oradba* account, create a new user named *oradba* and then, because the Security Manager will not create an account with a

UID of 201, the installer must edit some HP-UX and DII Common Operating Environment (COE) files to modify *oradba*'s UID.

- Step 1: Using the Security Manager, create a new profile. Its account group must be *SysAdm*. You can call the new profile anything; this document will refer to it as new-profile. Add the Oracle Admin application to this profile.
- Step 2: Log in as *secman* and run the Security Manager. Delete the *oradba* account. Answer “no” to deleting files.
- Step 3: While still in the Security Manager, create an account for *oradba*. Specify “new-profile” as the *oradba* user profile. Note the UID assigned to *oradba* (it will be approximately 1500); this is “the old *oradba* UID”.
- Step 4: As *root*, in an x-term execute:

vi /etc/passwd

Edit and change the *oradba* UID to 201, and Group Identificatoin (GID) to 102.

Save and close the file.

Enter **e** to open the shadow file. Save without any changes and close the file.

As *root*, execute:

chown -R 201 /h/USERS/local/oradba

For the next two commands (*chowns*) an error “No such file or directory” may appear. That is okay.

As *root*, execute:

chown -R 201 /var/dt/appconfig/appmanager/oradba*

chown -R 201 /var/dt/tmp/oradba*

Edit the */h/USERS/local/Profiles/.User.dat* file, find the line which contains “the old *oradba* UID”, and change the old *oradba* UID to 201. Re-order the lines in the file to maintain ascending order.

Edit the `/h/USERS/local/Profiles/.UserProfile.dat` file, find the line which contains the old *oradba* UID, and change the old *oradba* UID to 201. Re-order the lines in the file to maintain ascending order.

Perform the following:

```
cd /tcb/files/auth/o
```

```
vi oradba
```

Edit *oradba* by changing the old *oradba* UID to 201, save the changes and close the file.

```
cp /ora01/dba/oradba/Scripts/.cshrc  
/h/USERS/local/oradba/Scripts/.cshrc.oradba
```

```
cd /h/USERS/local/oradba/Scripts
```

```
chown oradba .cshrc.oradba
```

Edit the `/h/USERS/local/oradba/Scripts/.cshrc` file and add the following line to the bottom of the file:

```
source ~/.cshrc.oradba
```